

#O42 – Cook (D.C. Cook #1)  
**Generation Interconnection**

**This analysis was completed to assess the reliability impact for uprating of an existing generator on the PJM system as a capacity resource.**

**Network Impacts**

**The #O42 project was studied as a capacity increase of 84 MW at the Cook 345 kV generating facility.** Project #O42 was evaluated for compliance with reliability criteria for summer peak conditions in 2009. Potential network impacts were as follows:

**Generator Deliverability**

No problems identified

**Multiple Facility Contingency**

No problems identified

**Contribution to Previously Identified Overloads**

No problems were identified

**Short Circuit**

Not required, since there are no changes to the generating unit electrical characteristics.

**New System Reinforcements**

None

**Contribution to Previously Identified System Reinforcements**

None

Note: Impact of the 84 MW increase in MW output of Cook #1 on the MISO member transmission systems is not included in this analysis but will be included in the Impact Study. That analysis possibly may reveal upgrade needs in the MISO system not identified in this Feasibility Study.

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